

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 January 2005 (20.01.2005)

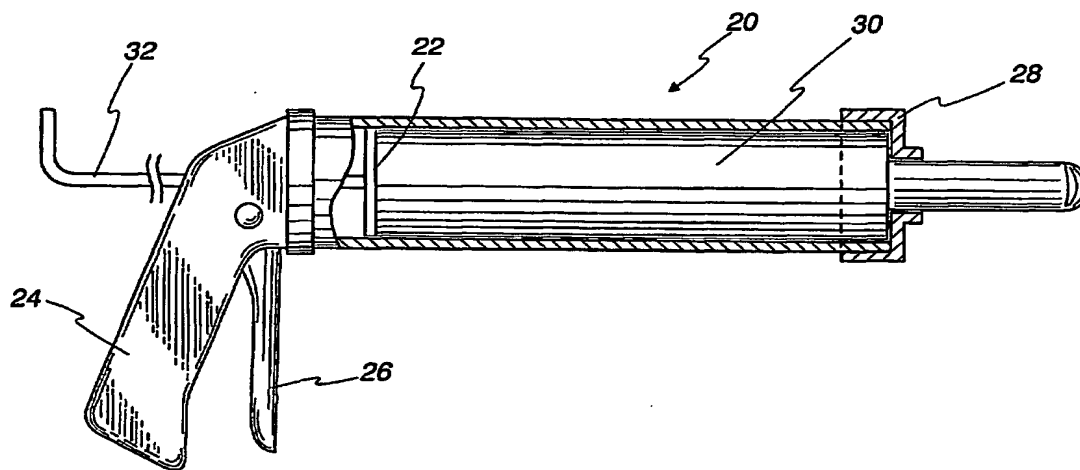
PCT

(10) International Publication Number  
**WO 2005/005305 A1**

- (51) International Patent Classification<sup>7</sup>: **B67D 5/52**
- (21) International Application Number:  
PCT/US2003/017997
- (22) International Filing Date: 9 June 2003 (09.06.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (71) Applicant (for all designated States except US): **TAH INDUSTRIES, INC.** [US/US]; 8 Applegate Drive, Robbinsville, NJ 08691 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BRENNAN, Robert, Charles** [US/US]; 8 East Chestnut Street, Bordentown, NJ 08505 (US). **SPRINGHORN, Robert, William** [US/US]; 21 Stacey Drive, Cream Ridge, NJ 08514 (US).
- (74) Agents: **PANIAGUAS, John, S. et al.**; Katten Muchin Zavis Rosenman, 525 West Monroe Street, Suite 1600, Chicago, IL 60661-3693 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**  
— with international search report

[Continued on next page]

(54) Title: DUAL FLUID CARTRIDGE ASSEMBLY



(57) Abstract: A dual fluid cartridge assembly (30) is adapted to be used with a conventional caulking gun (20). The dual fluid cartridge assembly includes an outer cartridge (32), a piston seal and delivery tube (36), an upper piston seal (38) and an inner cartridge (34). The outer cartridge includes a cartridge outlet (40) for dispensing fluids and as configured to accept conventional mixing nozzles. Fluids are back-filled through the cartridge outlet into the inner cartridge and the outer cartridges. In order to prevent trapped air pockets during the filling of the fluid in the inner cartridge, one or more slots (54) are formed in a base plate (42) of the inner cartridge.

WO 2005/005305 A1



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*